

LIST OF RECEIVER OUTFITS

RECEIVER OUTFIT.	COMPONENT UNITS.	NUMBER OF VALVES.	FREQUENCY RANGE IN KILOCYCLES.	SERVICE.
CE	A4 M4 N9	4 NR14 3 NR14	1500-6000	Obsolete. Type 83 only
CF	M3B A5 M5 K5 N9 Board for Valve Det.	3 NR14 7 NR17 1 NR14 3 NR14 1 NR14	16-1800 450-2000 13.5-2500	N9 to Second Offices only. Obsolete.
CG	A4 M4 N9 Board for Valve Det.	4 NR14 3 NR14 1 NR14	1500-6000	Type 43A. Obsolete.
CH	A5 M5 N9	7 NR17 3 NR14	450-2000	Type 45 Obsolete.
CI	A5 M5 All M11 K5 N9 M3B or Board for Valve Det.	7 NR17 4 NR17 1 NR14 3 NR14 3 NR14 1 NR14	450-2000 12-550 13.5-2500 16-1800	Obsolescent
CJ	All M11 K5 N9	4 NR17 1 NR14 3 NR14	12-550 13.5-2550	Obsolescent.
CK	A9 M9 K5 N9 Board for Valve Det.	5 NR15A 1 NR14 3 NR14 1 NR14	60-670 13.5-2550	Submarines. Obsolescent.
CL	A5 M5 M9 N9 K5	7 NR17 5 NR15A 3 NR14 1 NR14	450-2000 60-670 13.5-2550	Second Office of Flotilla Leaders. Obsolete.
CM				Obsolete nomenclature. Ships fitted with CM should now report these components separately as CH, CO, CSC, etc., (see over).

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CN CNS	A19 M19 N19	D.C. - 2 NR23, 1 NR15A 1 NR16A or A.C. - 2 NR37, 1 NR 27, 1 NR26. D.C. - 1 NR23, 2 NR15A, or A.C. - 1 NR38, 2 NR27.	15-550	CNS:- Shore Stations.
CO COS	B12	1 NR22 or NR23 8 NR15 or NR15A	150-1500	COS:- Shore Stations.
CP CPS	B11 Patt.1206/K or Patt.1265/K ²	1 NR22 or NR23 3 NR15A	900-23,000	CPS:- Shore Stations. *Not to submarines. A bracket bulkhead mounting is supplied with 1265K.
CQ CQS	B11	1 NR22 or NR23 3 NR15A	900-23,000	CQS:- Shore Stations. Fitted in rack.
CR				Obsolete nomenclature. Ships fitted with CR should now report these components separately as CQ, Q31, etc.
CS CSA CSC CSD CSS	B13	3 NR15A	15-20,000	CS:- Type 51 or 51L in existing small craft and in T.R. of "WARSPITE". CSA:- Main office receiver in small craft and in T.R. of early ships fitted with C.C.S. CSC:- Stand-by receiver, rack mounted. CSD:- Stand-by receiver fitted in bulkhead bracket. CSS:- Fitted in Shore Stations.
CSB	B13	3 Army Type VR27.	15-20,000	CSB:- Fitted with TW12B as a separate line of communication.

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QT	B15	4 NR41 3 NR42	3000-23,000	Shore Stations only.
QK	B6 M9	1 NR19 or NR22 1 NR15A 3 NR14	3500-20,000	M9 not supplied to Flotilla Leaders. Obsolescent.
RA	B3	5 NR7	750-1,500	Obsolete. Type 81 only.
CAA	A50 M50	3 NR51 2 NR52	15-550	A.C. supplies only.
CAB	A50 M50 B50	3 NR51 2 NR52 1 NR27 4 NR51 2 NR52	15-550 550-23,000	A.C. supplies only.
CAC	A50 M50 B16	3 NR51 2 NR52 4 NR51 - 2 NR52 1 NR27 - 1 N.S.1	15-550 3000-23,000	A.C. supplies only. R/T Receiver.
CAD	B50	1 NR27 4 NR51 2 NR52	550-23,000	A.C. supplies only.
CAE	B50 B16	1 NR27 4 NR51 2 NR52 4 NR51 2 NR52 1 NR27 1 NR46 - N.S.1	550-23,000 3000-23,000	A.C. supplies only. R/T Receiver.
CBA	B19	1 NR41 3 VR27.	100-13,500	Box mounted. Battery supplied as part of Type 60E.
CBB	B19	1 NR41 3 VR27	100-13,500	Rack mounted. Battery supplied as standard emergency equipment.
CUA	B16	4 NR51 2 NR52 1 NR27 1 NR46 1 N.S.1.	3000-23,000	R/T receiver. A.C. supplies only.

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RECEIVER OUTFIT.	COMPONENT UNITS.	NUMBER OF VALVES.	FREQUENCY RANGES IN KILOCYCLES.	SERVICE.
Marconi 352A	Receiver 352A	2 1P2	15-20,000) Fitted in large sea- going R.F.As. (C.A.F.O. 783/37).
Marconi 384	Amplifier 384	1 VP21 1 X21	600-220 275-92 10	
Marconi 372	H/F Receiver Marconi 372	1 S215 1 HL210 1 PT235 or 1 HL210	3000-21,428	
Marconi Auto-Alarm.	Receiver Type 332 Selector Type 333	2 DE8 1 DE7	505-615	
Marconi 394E.	Receiver Type 394E	2 Type ARS8 1 NR39 1 NR42 1 ND3	150-3000	Used with TW12A and TW12B in small craft. 150 volts required for anodes of valves.
Marconi 394F	Receiver Type 394F	2 Type ARS8 1 Type ARP4 1 NT82	150-4200	Used with TW12A/B/C in small craft.
Marconi	521 352A 560 372 596		3750-21428 15-20000 15-25500 3000-20000 15-20000	
IMRC	RM3		3529-20000	
"	RM4		150-2500	
"	RM5B		15-20000	
"	ZM14		150-2727	
"	RM15		15-21500	

D/F OUTFITS.**Nomenclature:-**

In the older D/F outfits two letters are allocated commencing with the letter 'S'.

In the more modern outfits a self evident nomenclature has been adopted consisting of two letters followed by one or more figures.

The first letter will indicate the type of aerial system employed.

The second letter will indicate the wave frequency range and also whether bearings on H/F and M/F can be taken simultaneously, alternatively, or whether simultaneous watch can be kept on H/F and M/F, bearings being taken alternatively.

The figure(s) will differentiate between outfits of the same nature but different establishments of stores.

First letter.

- A = Adcock aerial system.
- F = Fixed frame coil aerial system
- L = Loop aerial system.
- R = Rotating frame coil aerial system.

Second letter.

- A = Alternative H/F D/F or M/F D/F.
- C = Common aerial. Simultaneous reception on H/F and M/F but alternative D/F.
- H = H/F D/F only.
- M = M/F D/F only.
- S = Simultaneous H/F D/F and M/F D/F.

D/F OUTFIT	COMPONENT UNITS	NUMBER OF VALVES	FREQUENCY RANGE IN KILOCYCLES	SERVICE
AH1	M9 K7 E27 N20 S28	5 NR 15A 1 NR 15A 1 NR 16A 2 NR 15A 2 NR 15A	670-20,000	Shore Stations only
FA1	S16 or S17 Frame coil M9 E27 K7 N20 A47 S27 S29	5 NR 15A 1 NR 16A 2 NR 15A 1 NR 15A 2 NR 15A 2 NR 16A	60-20,000	Small Office
FA2	S16 or S17 Frame coil M9 E27 K7 N20 A47	5 NR 15A 1 NR 16A 2 NR 15A 1 NR 15A 2 NR 15A 2 NR 16A 1 NR 15A	60-20,000	Smaller cruisers. Tribals, Flotilla Leaders ('H' and later), and Escort Vessels.
FA3	S27 S29 S18 Frame Coil M9 E27 K7 N20 A47 S27 S29	5 NR 15A 2 NR 15A 1 NR 16A 2 NR 15A 1 NR 15A 2 NR 16A	60-20,000	
FA6	S17 Frame Coil M9 E27 K7 N20 S29 Marconi DFG 11 D/F Outfit (Less frame coil)			Havelock and class.
FC1	S17 Frame Coil M9/2 E27 K7/2 N20/2 S27 S29 A47	5 NR 15A 1 NR 16A 2 NR 15A 1 NR 15A 2 NR 15A 2 NR 16A	60-20,000	Cruisers.

LIST OF D/F OUTFITS (Contd.)

D/F OUTFIT	COMPONENT UNITS	NUMBER OF VALVES	FREQUENCY RANGE IN KILOCYCLES	SERVICE
PC2	S18 Frame Coil M9/2 E27 K7/2 N 20/2 A47 S27 S29	5 NR 15A 2 NR 15A 1 NR 15A 2 NR 15A 1 NR 16A 1 NR 15A 2 NR 16A	60-20,000	
PH1	M9 E28 K7 N20 S28K	5 NR 15A 2 NR 22 2 NR 15A 1 NR 16A 1 NR 15A 2 NR 15A	670-20,000	"Berwick" only
PH2	S16 Frame Coil M9 S27 K7 N20 S29	5 NR 15A 1 NR 16A 2 NR 15A 1 NR 15A 2 NR 15A	670-20,000	Capital ships
PH3	S18 Frame Coil M9 E27 K7 N20 S29	5 NR 15A 1 NR 16A 2 NR 15A 1 NR 15A 2 NR 15A	670-20,000	
PM1	S16 or S17 Frame coil M9 K7 N20 S26 A47	5 NR 15A 1 NR 15A 2 NR 15A 1 NR 15A 2 NR 16A	60 - 600	
PM2	S19 Frame Coil M9 K7 N20 A47 S27	5 NR 15A 1 NR 15A 2 NR 15A 1 NR 15A 2 NR 16A	60 - 600	
PM3	Special Frame Coil Marconi DFG 11 (Less frame			"Cachalot", "Karwhal" "Seal".

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LM1	M9 K7 N20 S26 A47	1 NR 15A 1 NR 15A 2 NR 15A 2 NR 16A 1 NR 15A	60 - 600	Capital ships
RA1	M9 E27 K7 A46 F52X	5 NR 15A 1 NR 16A 2 NR 15A 1 NR 15A 2 NR 16A 1 NR 15A	60 - 2000	"Apollo" only
RC1	M9/2 E27 K7/2 N20/2 A/46 F52X	5 NR 15A 1 NR 16A 2 NR 15A 1 NR 15A 2 NR 15A 2 NR 16A 1 NR 15A	60-20,000	"SOUTHAMPTON" class only.
RM1	M9 K7 N20 A46 F51	5 NR 15A 1 NR 15A 2 NR 15A 2 NR 16A 1 NR 15A	60 - 600	"EXETER" only.
RM2	M9 K7 N20 A46 F26	5 NR 15A 1 NR 15A 2 NR 15A 2 NR 16A 1 NR 15A	60 - 600	Shore stations.
SBX	A41 B14X M9 S26 S42 S61 K5 N9	1 NR 23 4 NR 15A 5 NR 15A 1 NR 15A 1 NR 14 1 NR 14 3 NR 14	60 - 650	"PORPOISE" only.
SC	A8 M13 N9 * K5 *	5 NR 15A 3 NR 14 1 NR 14	15 - 60	Loop aerial reception. * Not if fitted in conjunction with D/F outfit.

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D/F OUTFIT	COMPONENT UNITS	NUMBER OF VALVES	FREQUENCY RANGE IN KILOCYCLES	SERVICE
SEx	A7 A41 M9 N9 S42 S61 K5 F24X	5 NR 15A 3 NR 14 1 NR 15A 1 NR 14 1 NR 14	60-670	Rotating frame coil.
SEy	A46 M9 N9 K5 F25	2 NR 16A 1 NR 15A 5 NR 15A 3 NR 14 1 NR 14	60-670	"CLYDE" and "SEVERN"
SF	A7 A42 M9 K5 N9 S42 F21	2 NR 17 5 NR 15A 1 NR 14 3 NR 14 1 NR 15A	60-670	"O" Class S/MS.
Marconi 579	Receiver 579 Goniometer 579	3 VP21 3 HL2 1 P2 } Metallised	260-545	Fitted in large sea-going R.F.As. only. (C.A.F.O.783/37).